

### In the Abstract

In order to form organic thin films on electrodes, a solution of a material for the organic thin film is accurately printed via an ink-jet onto the surface of microelectrodes as required, thereby producing a high density array of microelectrodes. Further, a solution of a sample substance or a liquid substance to be sensed is ejected into air via an ink-jet nozzle to fall to the surface of organic thin membranes on the microelectrodes so that the sample can be evaluated.

Please cancel claims 1-10 and ~~18-26~~.

Please amend claim 11 as follows:

--11. A sensor device comprising:

a circuit having electrodes, wherein at least one of the electrodes comprises an organic thin film formed by printing a solution of a thin film material onto a surface of the electrode; and

a transducing element capable of transducing information recognized by the organic thin film into electric signals.--

Please add claims 27-32 as follows:

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27. The sensor device of claim 11 wherein the organic thin film formed on the electrode comprises a film formed from at least one dot.--

1589. --28. The sensor device of claim 27 wherein the dot comprises a micro-dot.--